



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

7272 Cleanwater Lane • PO Box 47775 • Olympia, Washington 98504-7775 • (206) 753-2353

January 31, 1994

Ms. Karen Keeley
U.S. Environmental Protection Agency
Region 10
1200 6th Avenue, HW-113
Seattle, Washington 98101-3188

Re: Final Milestone 1 Source Control Status Report for Middle Waterway
Problem Area: Commencement Bay Nearshore/Tideflats Superfund Site

Dear Ms. Keeley:

I have enclosed the final Milestone 1 Report for the Middle Waterway Problem Area at the Commencement Bay Nearshore/Tideflats (CBN/T) Superfund Site. The report contains a table that identifies all ongoing potential sources of problem chemicals (List 1), all probable sources (List 2), and all confirmed sources (List 3). All lists are included on the same table. In addition, List 3 sites are printed separately (last page). A map is also enclosed with numbered locations or symbols for each site.

In deciding how to list facilities, Ecology used the source identification process described in the EPA document titled: "Source Control Strategy: Commencement Bay Nearshore/Tideflats Superfund Site (May, 1992)." The listing process was designed to determine which sites located on Middle Waterway are ongoing sources of problem chemicals. The problem chemicals used were those identified on an attached table. "Problem chemicals" are those which have been found in Middle Waterway sediments above levels considered harmful to biota and human health and are listed in EPA's Record of Decision for the Commencement Bay Nearshore/Tideflats Superfund site.

List 1 includes: (1) all properties directly adjacent to Middle Waterway, (2) all properties draining to Middle Waterway with owners or operators who were issued a General Notice Letter by EPA, and (3) other properties that drain to Middle Waterway, including some that drain to a municipal storm drain (MI-200 is the only municipal drain that discharges to Middle Waterway). This report also lists MI-200 separately as a potential source.

List 2 excludes some List 1 sites based on information obtained from file searches and site visits.

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Karen Keeley
January 31, 1994
Page 2

List 3 sites are confirmed sources based on analyses of samples for contaminants in soil, sediment, ground water, or surface water. Sources listed as "major sources" in the EPA Record of Decision are identified.

Properties may be removed from List 3 if investigations performed by the facilities convince Ecology that they do not contribute problem chemicals to the waterway. In addition, facilities may be added to List 3 based on new information.

Ecology identified 31 potential sources for List 1, 15 probable sources for List 2, and 8 confirmed sources for List 3.

Also enclosed in this Milestone 1 Status Report are the following maps:

(1) Locations of each property, facility, and municipal storm drain outfall shown on List 1.

(2) A copy of the Tacoma-Pierce County Health Department Storm Water Drainage map for Middle Waterway, updated as of June 1993.

Sincerely,

A handwritten signature in cursive script that reads "Dave Smith". The signature is written in dark ink and is positioned to the right of the word "Sincerely,".

Dave Smith
Unit Supervisor
Southwest Regional Office
Toxics Cleanup Program

DS:ak

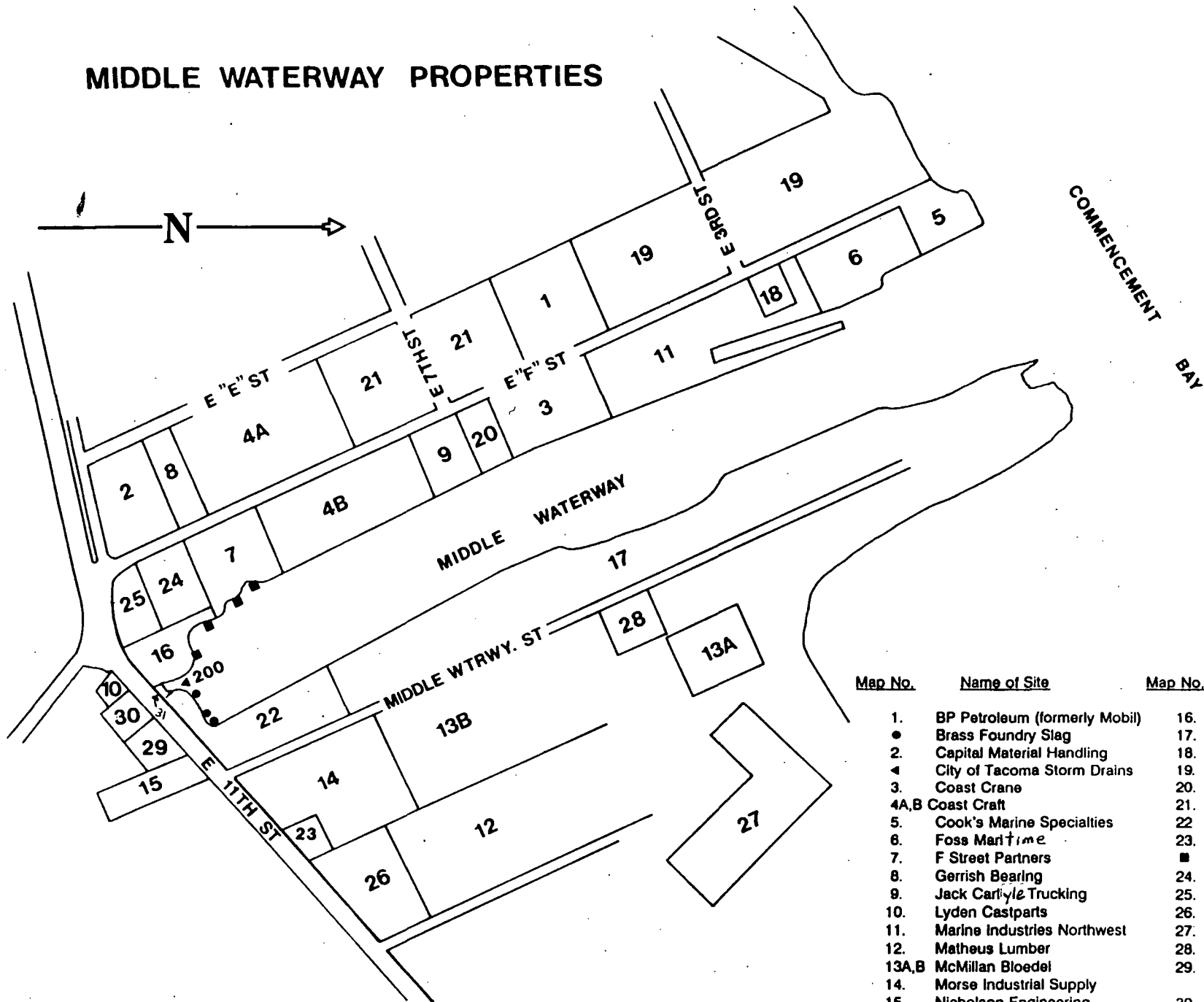


**Commencement Bay Nearshore/Tideflats
Middle Waterway
Source Control Status Report:
Milestone 1**

Washington Department of Ecology
Toxics Cleanup - SWRO
Urban Bay Action Team

January 1994

MIDDLE WATERWAY PROPERTIES



Map No.	Name of Site	Map No.	Name of Site
1.	BP Petroleum (formerly Mobil)	16.	Pacific Yacht Basin
●	Brass Foundry Slag	17.	Paxport Mills
2.	Capital Material Handling	18.	Pioneer Painting
◄	City of Tacoma Storm Drains	19.	Puget Sound Plywood
3.	Coast Crane	20.	Seawall Construction Co.
4A,B	Coast Craft	21.	Shell Oil
5.	Cook's Marine Specialties	22.	Simpson Tacoma Kraft
6.	Foss Maritime	23.	Small Office Building
7.	F Street Partners	■	Steel Foundry Slag
8.	Gerrish Bearing	24.	Tacoma City Light
9.	Jack Carlyle Trucking	25.	Tacoma Fire Department
10.	Lyden Castparts	26.	Texaco Service Station
11.	Marine Industries Northwest	27.	The Truss Company
12.	Matheus Lumber	28.	Norcore Plastics
13A,B	McMillan Bloedel	29.	Washington Belt and Drive Systems
14.	Morse Industrial Supply	30.	Western Machine Works
15.	Nicholson Engineering	31.	City of Tacoma (vacant)



1" = 500' approx.
TPCMD, updated 6/13

PROBLEM CHEMICALS IN MIDDLE WATERWAY

Priority ^a	Chemical
Priority 1	--
Priority 2	Copper Mercury
Priority 3	Arsenic Zinc Lead LPAH HPAH Diterpenoid hydrocarbons ^{b,c} Dibenzothiophene ^{b,c} 4-Methylphenol ^b Methylpyrenes ^{b,c} Dichlorobenzenes Phenol Pentachlorophenol

- ^a **Priority 1 problem chemical**—Detected at concentrations exceeding apparent effects thresholds, and the spatial distribution of this chemical corresponds to gradients of observed toxicity or benthic effects.

Priority 2 problem chemical—Detected at concentrations exceeding apparent effects thresholds at more than one station, but shows no particular spatial relationship with gradients of observed toxicity or benthic effects.

Priority 3 problem chemical—Detected at concentrations exceeding apparent effects thresholds at only one station in a problem area or is the highest recorded concentration of that chemical in the Puget Sound database.

- ^b The Record of Decision does not include a CB/NT cleanup objective for this constituent.

^c Additional information on these tentatively identified compounds is discussed on pp. 138–145 of Tetra Tech (1986b).

MIDDLE WATERWAY PROBLEM AREA
 COMMENCEMENT BAY NEARSHORE/TIDEFLATS SUPERFUND SITE
 Potential, Probable, and Confirmed Sources(a)

Page 1
 1/31/94

Map	List 1	List 2	List 3	Reason Site is Not on List 3	Comments/Notes
No.	(Potential Sources)	(Probable Sources)	(Confirmed Sources)		
1	BP Oil (part that is on "F" St) See map Tacoma			Site engineered to drain to Mouth of Thea Foss Waterway. Contaminated groundwater drains to Mouth of Thea Foss (part of ongoing "D" Street cleanup).	
●	Brass Foundry Slag See map Tacoma	x	x		Simpson will move contamination away from the bank and dispose off-site or isolate from precipitation under a clay cap. The work will be performed as part of a larger shore restoration project.
2	Capital Material Handling 435 E. 11th Tacoma			Does not drain to Middle Waterway. Site is engineered to route surface runoff to Mouth of Thea Foss Waterway.	
31	City of Tacoma (Vacant Property) See map Tacoma			Existing information suggests that this property does not contribute problem chemicals to the waterway. Not sampled.	
◀	City of Tacoma Storm Drain MI-200 See map Tacoma	x		Problem chemicals identified. Existing information suggests that an enforcement action for source control is not necessary at this time. Sampled.	

MIDDLE WATERWAY PROBLEM AREA
 COMMENCEMENT BAY NEARSHORE/TIDEFLATS SUPERFUND SITE
 Potential, Probable, and Confirmed Sources(a)

Page 2
 1/31/94

Map	List 1	List 2	List 3	Reason Site is Not on List 3	Comments/Notes
No.	(Potential Sources)	(Probable Sources)	(Confirmed Sources)		
48	Coast Craft Cabinets Warehouse 1002 East "F" Street Tacoma	x	x		Cleanout of catch basins and storm drain lines needed. "E" Street side of Coast Craft Cabinets (4A) drains to the Mouth of Thea Foss Waterway.
3	Coast Crane Company 501 East "F" Street Tacoma			Existing information suggests that this facility does not contribute problem chemicals to the waterway. Not sampled.	Truck storage yard only.
5	Cooks Marine Specialties 223 East "F" Street Tacoma			No longer in operation. See Foss Maritime.	Previously listed as a major source.
7	F Street Partners Vacant property. See map. Tacoma	x		Existing information suggests that this property does not contribute problem chemicals to the waterway.	Bank contamination addressed separately under "Steel Foundry Slag".
6	Foss Maritime 225 East "F" Street Tacoma	x	x		Metal turnings under the old Cook's Marine dock (intertidal) need to be removed or tested to ensure no toxic metals are present.
8	Gerrish Bearing 1011 East "E" Street Tacoma			Existing information suggests that this facility does not contribute problem chemicals to the waterway. Not sampled.	

MIDDLE WATERWAY PROBLEM AREA
COMMENCEMENT BAY NEARSHORE/TIDEFLATS SUPERFUND SITE
Potential, Probable, and Confirmed Sources(a)

Page 3
1/31/94

Map	List 1	List 2	List 3	Reason Site is Not on List 3	Comments/Notes
No.	(Potential Sources)	(Probable Sources)	(Confirmed Sources)		
9	Jack Carlyle Trucking 639 East "F" Street Tacoma	x	x		Ecology will work with the tenant (Jack Carlyle) and land owner (Foss Maritime) to clean out catch basins.
10	Lyden Castparts 653 East 11th Tacoma			Existing information suggests that this facility does not contribute problem chemicals to the waterway. Not sampled.	
11	Marine Industries NW 313 East "F" Street Tacoma	x	x		Major source. Has an individual NPDES permit. Implementation of permit ongoing.
12	Matheus Lumber 733 East 11th Street Tacoma			Existing information suggests that this facility does not contribute problem chemicals to the waterway. Not sampled.	
13	McMillan Bloedel 733 East 11th Street Tacoma			Existing information suggests that this facility does not contribute problem chemicals to the waterway. Not sampled.	
14	Morse Industrial Supply 711 East 11th Street Tacoma			Existing information suggests that this facility does not contribute problem chemicals to the waterway. Not sampled.	

MIDDLE WATERWAY PROBLEM AREA
COMMENCEMENT BAY NEARSHORE/TIDEFLATS SUPERFUND SITE
Potential, Probable, and Confirmed Sources(a)

Page 4
1/31/94

Map	List 1	List 2	List 3	Reason Site is Not on List 3	Comments/Notes
No.	(Potential Sources)	(Probable Sources)	(Confirmed Sources)		
15	Nicholson Engineering 680 East 11th St. Tacoma			Existing information suggests that this facility does not contribute problem chemicals to the waterway. Not sampled.	
28	Norcore Plastics 733 East 11th Street Tacoma			Existing information suggests that this facility does not contribute problem chemicals to the waterway. Not sampled.	Formerly Vlahovich Boats.
23	Office Building 733 East 11th Street Tacoma			Existing information suggests that this facility does not contribute problem chemicals to the waterway. Not sampled.	
16	Pacific Yacht Basin 609 East 11th Street Tacoma	x		Existing information suggests that this facility does not contribute problem chemicals to the waterway. Not sampled.	Need to reinspect periodically for cleanout of oil-water separator. Also see "Sandblast Grit on Bank, Head of WW".
17	Paxport Mills 300 Middle Waterway Tacoma	x		Existing information suggests that this facility does not contribute problem chemicals to the waterway. Not sampled.	
18	Pioneer Painting 255 East "F" Street Tacoma	x	x		Work done at Marine Industries NW addressed under MINW's NPDES permit. Potential sandblast grit cleanup addressed separately.

MIDDLE WATERWAY PROBLEM AREA
COMMENCEMENT BAY NEARSHORE/TIDEFLATS SUPERFUND SITE
Potential, Probable, and Confirmed Sources(a)

Page 5
1/31/94

Map	List 1	List 2	List 3	Reason Site is Not on List 3	Comments/Notes
No.	(Potential Sources)	(Probable Sources)	(Confirmed Sources)		
19	Puget Sound Plywood 230 East "F" Street Tacoma			Does not drain to Middle Waterway. Drains to Mouth of Thea Foss Waterway.	
16	Sandblast Grit on Bank, Head of WW Near Pacific Yacht Basin Tacoma	x	x		Ecology is discussing options with potentially responsible parties.
20	Sea Wall Construction Green Bldg on "F" St. Tacoma	x		Existing information suggests that this facility does not contribute problem chemicals to the waterway. Not sampled.	Some BMP improvements were implemented. Ecology will monitor site to ensure small area of oil-soaked soil is removed.
21	Shell Oil (part that is on "F" St) See map Tacoma			Site is engineered to drain to Mouth of Thea Foss Waterway. Contaminated groundwater drains to Mouth of Thea Foss (part of "D" Street cleanup).	
22	Simpson Tacoma Kraft on Middle See map; vacant property Tacoma	x		Problem chemicals identified. Existing information suggests that an enforcement action for source control is not necessary at this time. Sampled.	Simpson Tacoma Kraft is planning habitat restoration work on this property. Also see "Brass Foundry Slag".
■	Steel Foundry Slag See map Tacoma	x	x		Ecology is discussing options for addressing bank contamination with potentially responsible parties.

MIDDLE WATERWAY PROBLEM AREA
COMMENCEMENT BAY NEARSHORE/TIDEFLATS SUPERFUND SITE
Potential, Probable, and Confirmed Sources(a)

Page 6
1/31/94

Map	List 1	List 2	List 3	Reason Site is Not on List 3	Comments/Notes
No.	(Potential Sources)	(Probable Sources)	(Confirmed Sources)		
24	Tacoma City Light 1013 East "F" Street Tacoma			Existing information suggests that this facility does not contribute problem chemicals to the waterway. Not sampled.	
25	Tacoma Fire Department 1015 East "F" Street Tacoma			Existing information suggests that this facility does not contribute problem chemicals to the waterway. Not sampled.	
26	Texaco (Ronaco, Inc.) 801 East 11th Tacoma			Existing information suggests that this facility does not contribute problem chemicals to the waterway. Not sampled.	
27	The Truss Company 733 East 11th Street Tacoma			Existing information suggests that this facility does not contribute problem chemicals to the waterway. Not sampled.	
17	Union Pacific Railroad Co. W. side of Middle W. St. Tacoma			Existing information suggests that this property does not contribute problem chemicals to the waterway. Not sampled.	Railway line.
29	Washington Belt & Drive Systems 672 East 11th Street Tacoma			Existing information suggests that this facility does not contribute problem chemicals to the waterway. Not sampled.	

MIDDLE WATERWAY PROBLEM AREA
COMMENCEMENT BAY NEARSHORE/TIDEFLATS SUPERFUND SITE
Potential, Probable, and Confirmed Sources(a)

Page 7
1/31/94

Map	List 1	List 2	List 3	Reason Site is Not on List 3	Comments/Notes
No.	(Potential Sources)	(Probable Sources)	(Confirmed Sources)		
30	Western Machine Works 666 East 11th Street Tacoma	x		Existing information suggests that this facility does not contribute problem chemicals to the waterway. Not sampled.	Oily soils were cleaned up and improper waste management practices were corrected.

FOOTNOTES

(a) Potential sources (List 1) were considered to be all sites with drainage to Middle Waterway.

Sites were put on List 2 after inspections revealed they were probable sources of problem chemicals to Middle Waterway.

Sites were put on List 3 after sampling or further investigation showed that the site was an ongoing confirmed source of problem chemicals to

Middle Waterway. Documentation why sites were not placed on List 3 is briefly described in the fifth column of this report. More specific information about sites placed on List 3 is found in a separate attached table titled: "List 3 - Confirmed Sources". Further detail is provided in Ecology's site files, inspection reports, and in a Middle Waterway Problem Area inspection notebook maintained by the Ecology UBAT supervisor at the Southwest Regional Office.

MIDDLE WATERWAY PROBLEM AREA
COMMENCEMENT BAY NEARSHORE/TIDEFLATS SUPERFUND SITE

Page 1

List 3 - Confirmed Sources (a)

1/31/94

Map :				
No. :	Site Name	Status	Contaminants (b)	Pathways
● :	Brass Foundry Slag	Simpson will address contamination as part of a	As, Cu, Pb, Zn	Direct
:	:	larger shore restoration project.	:	:
:	:	:	:	:
4B :	Coast Craft Cabinets Warehouse	Owner has been contacted regarding a drain	Pentachlorophenol,	Storm water
:	:	cleanout this spring.	HPAH's	:
:	:	:	:	:
6 :	Foss Maritime	Metal turnings under the old Cook's Marine dock	Metals	Direct
:	:	(intertidal) need to be removed or tested to	:	:
:	:	ensure there are no toxic metals.	:	:
9 :	Jack Carlyle Trucking	Ecology will work with tenant (Jack Carlyle)	As, Cu, Pb, Zn	Storm water
:	:	and land owner (Foss Maritime) to clean out	:	:
:	:	catch basins.	:	:
11 :	Marine Industries NW	Major source. Has an individual NPDES permit.	As, Cu, Pb, Zn, Hg	Storm water, ground water,
:	:	Implementation of permit is ongoing.	:	direct
:	:	:	:	:
18 :	Pioneer Painting	Work done at Marine Ind NW is addressed in the	As, Cu, Pb, Zn	Ground water, storm water
:	:	MINW NPDES permit. Grit cleanup at Pioneer will	:	:
:	:	be handled separately.	:	:
16 :	Sandblast Grit on Bank, Head of WW	Will meet with EPA to discuss strategy on	As, Cu, Cd, Zn	Storm water, direct
:	:	addressing bank contamination.	:	:
:	:	:	:	:
■ :	Steel Foundry Slag	Will meet with EPA to discuss strategy on	As, Cu, Pb, Zn, HPAH's	Direct
:	:	addressing bank contamination.	:	:
:	:	:	:	:

MIDDLE WATERWAY PROBLEM AREA
COMMENCEMENT BAY NEARSHORE/TIDEFLATS SUPERFUND SITE

List 3 - Confirmed Sources (a)

Page 2
1/31/94

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- (a) Sites were put on List 3 after sampling or further investigation of probable sources showed that the site was an ongoing confirmed source of problem chemicals to Middle Waterway. Additional detail is provided in Ecology's site files, inspection reports, and in a Middle Waterway Problem Area inspection notebook maintained by the Ecology UBAT supervisor at the Southwest Regional Office.
- (b) Additional problem chemicals or pathways may be present at sites.
-